INSTRUCTION MANUAL

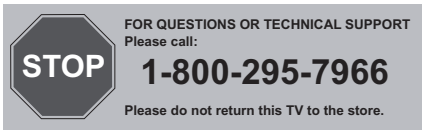
48” LED HDTV

SQ4800

Please read this manual carefully before start using this TV.

AIR/CABLE MODE SELECTION

The Air/Cable menu option is set to the “Air” mode at the factory so that you can receive the over-the-air broadcast signal. If you want to receive the Cable signal through the antenna input terminal, this menu option must be switch to the “Cable” (Cable TV) mode. Please refer to page 12 of this manual for the details of the menu.



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IMPORTANT SAFETY INSTRUCTION

1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings, install in accordance with the instructions.

8) Do not install near any heat sources such as radiations, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protected the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

11) Only use attachments/accessories specified by the manufacturer.

12) Unplug this apparatus during lighting storms or when unused for long periods of time.

13) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

14) Mains plug is used as the disconnect device, the disconnect device shall remain readily operable.

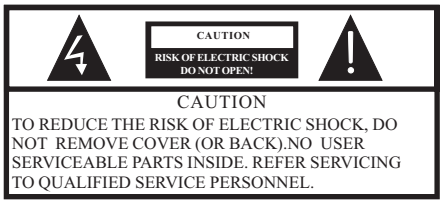
15) The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloth, curtains, etc.

16) No naked flame sources, such as lighted candles, should be placed on the apparatus.

17) Attention should be drawn to the environmental aspects of battery disposal.

18) The use of apparatus in moderate climate.

19) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



CAUTION

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The symbol indicates that dangerous voltages constituting a risk of electric shock are present within this unit.

The symbol indicates that there are important operating and maintenance instructions in the literaturaccompanying this unit.

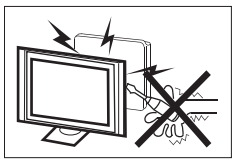
WARNING:
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

WARNING:
The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

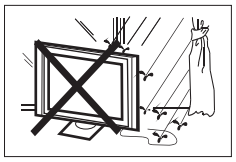
WARNING:
The excessive sound pressure from earphones and headphones can cause hearing loss.

This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

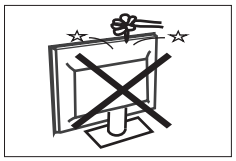
This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.



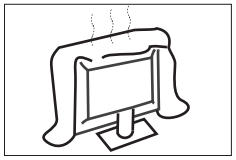
High voltages are used in the operation of this television receiver. Do not remove the cabinet back from your set. Refer servicing to qualified service personnel.



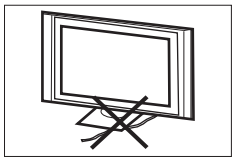
To prevent fire or electrical shock hazard, do not expose the television receiver to rain or moisture.



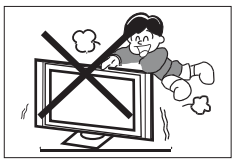
Do not drop or push objects into the television cabinet slots or openings. Never spill any kind of liquid on the television receiver.



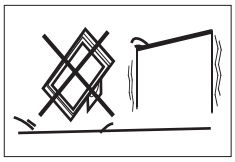
Do not block the ventilation holes in the back cover. Adequate ventilation is essential to prevent failure of electrical components.



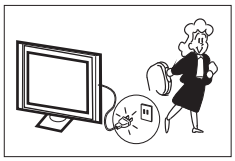
Do not trap the power supply cord under the television receiver.



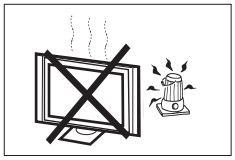
Never stand on, lean on, or suddenly push the television or its stand. You should pay special attention to children. Serious injury may result if it falls.



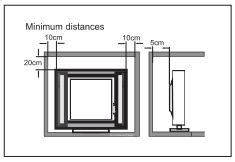
Do not place your television on an unstable cart, stand, shelf or table. Serious injury to an individual , and damage to the television, may result if it falls.



When the television receiver is not used for an extended period of time, it is advisable to disconnect the AC power cord from the AC outlet.



Avoid exposing the television receiver to direct sunlight and other sources of heat. Do not stand the television receiver directly on other products which give off heat, e.g. video cassette players and audio amplifiers. Do not place naked flame sources, such as lighted candles on the television.



If the television is to be built into a compartment or similar enclosure, the minimum distances must be maintained. Heat build-up can reduce the service life of your television, and can also be dangerous.

Main features

- 48” wide screen with LED backlight
- 1366 x 768 native resolution for HD performance
- Integrated ATSC TV tuner for HDTV broadcast reception
- High brightness provides a vivid and brilliant picture
- Deep Black and Bright White with high contrast
- 3 HDMI® inputs for true digital connections
- VGA port for connection to PC

Accessories

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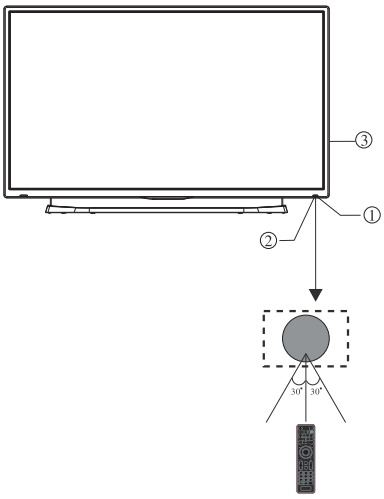
Sttand Installation Guide 1
Warranty Card 1
Remote Control 1
Batteries (AAA) for Remote Control 2
Power Cable 1
Stand Support 2
Stand Base 1
Screws (M4 x 8) 8

Specifications

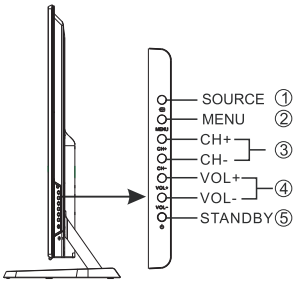
Viewing Picture Size (diagonal)	48 inches
Resolution	1366x768
Aspect Ratio	16:9
TV System	ATSC Digital system and NTSC Analog system
Video Signal System	NTSC/PAL
Receiving Channel	Cable: 1-135/Air: 2-69 (ATV & DTV)
Maximum Power Consumption	80W
Input Power Voltage	AC 100-240V 50/60Hz
Audio Output Power (THD≤7%)	2 x 10W
Side High-Definition Multimedia Interface (HDMI) Input	x 3
Component Video/Composit Video Input	x 1
Analog RGB (VGA) Input	x 1
Audio Input	x 2
Headphone Output	x 1
Digital Audio Output (Coaxial)	x 1
USB Port	x 1

Front panel



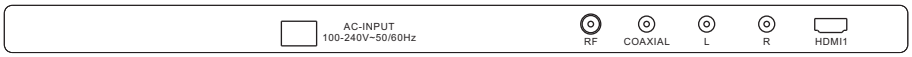
1: Remote control sensor.
2: Indicator LED:
BLUE POWER ON.
RED STAND BY.
3: Key board.

KEYBOARD



1. **SOURCE:**
Display the input source menu.In MENU mode,press "SOURCE" to confirm the selected item.
2. **MENU:**
Display main MENU.
3. **CH+/CH-**
In TV mode, press "CH+" or "CH-" to change the channel up and down.
In MENU mode, press "CH+" or "CH-" to select items.
4. **VOL+/VOL-**
Adjust sound level.
In MENU mode, press "VOL+" or "VOL-" to adjust the item that you selected.
5. **STANDBY**
Press this button to turn the unit ON from STANDBY mode.
Press it again to turn the set back to STANDBY.

REAR Connections

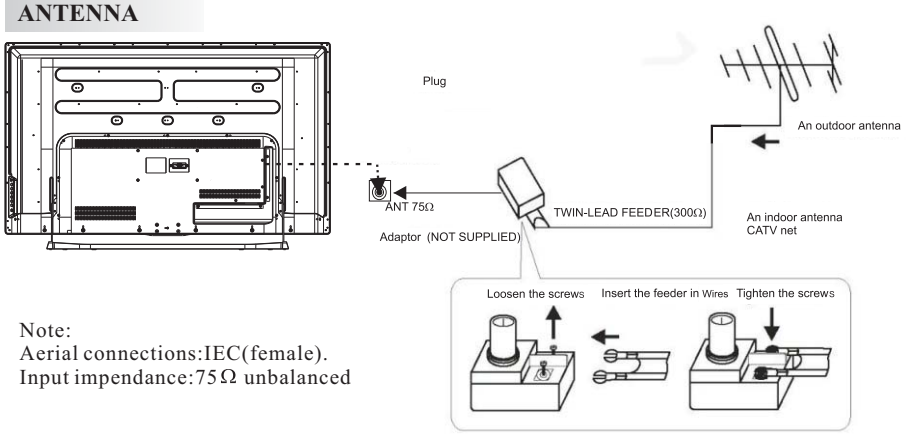


All the terminals are(from left to right):AC Power Socket, RF, COAXIAL, AUDIO INPUT, HDMI1
Note: AV and YPbPr share one audio channel.

SIDE Connections

All the terminals are (from left to right):
HDMI2, VGA, PC AUDIO, HDMI3, Headphone, AV/YPbPr, USB.
Note: When the HDMI port detects the DVI signal, the DVI audio signal is through the PC Audio Output Jack. AV and Y share the same channel.

ANTENNA



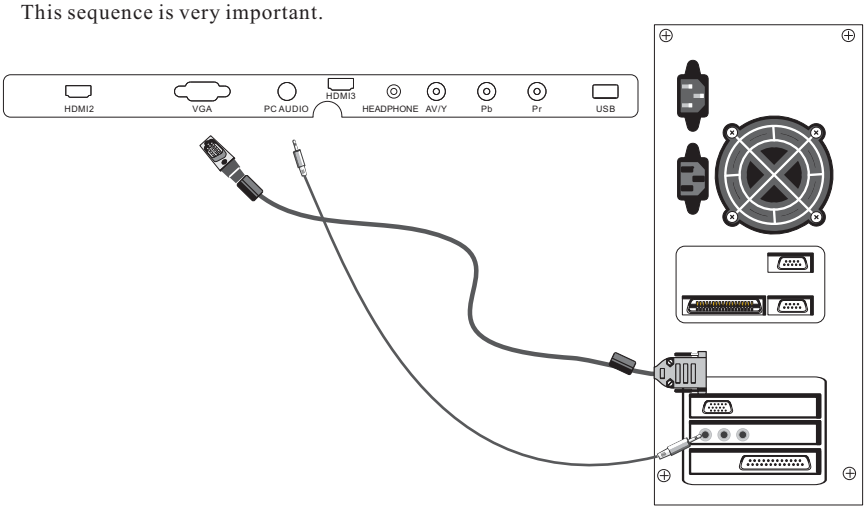
Note:
Aerial connections:IEC(female).
Input impendance:75Ω unbalanced

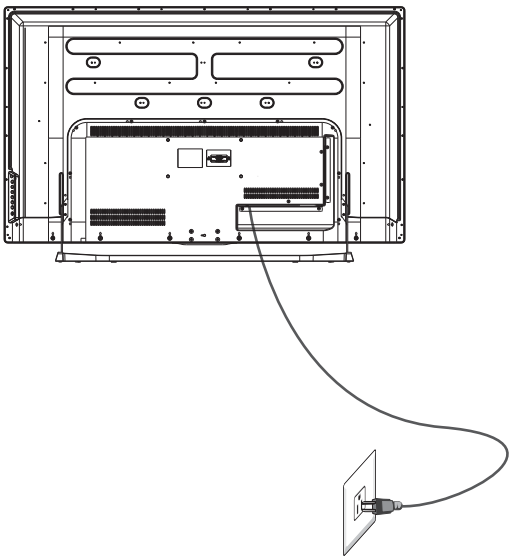
PC

STEPS:

Before starting the connections, make sure that the power of both the TV and the computer must be OFF.

1.Connect VGA and audio cable.
2.Connect the power cord.
3.Power on the TV, switch to PC mode.
4.Power on the PC.
This sequence is very important.





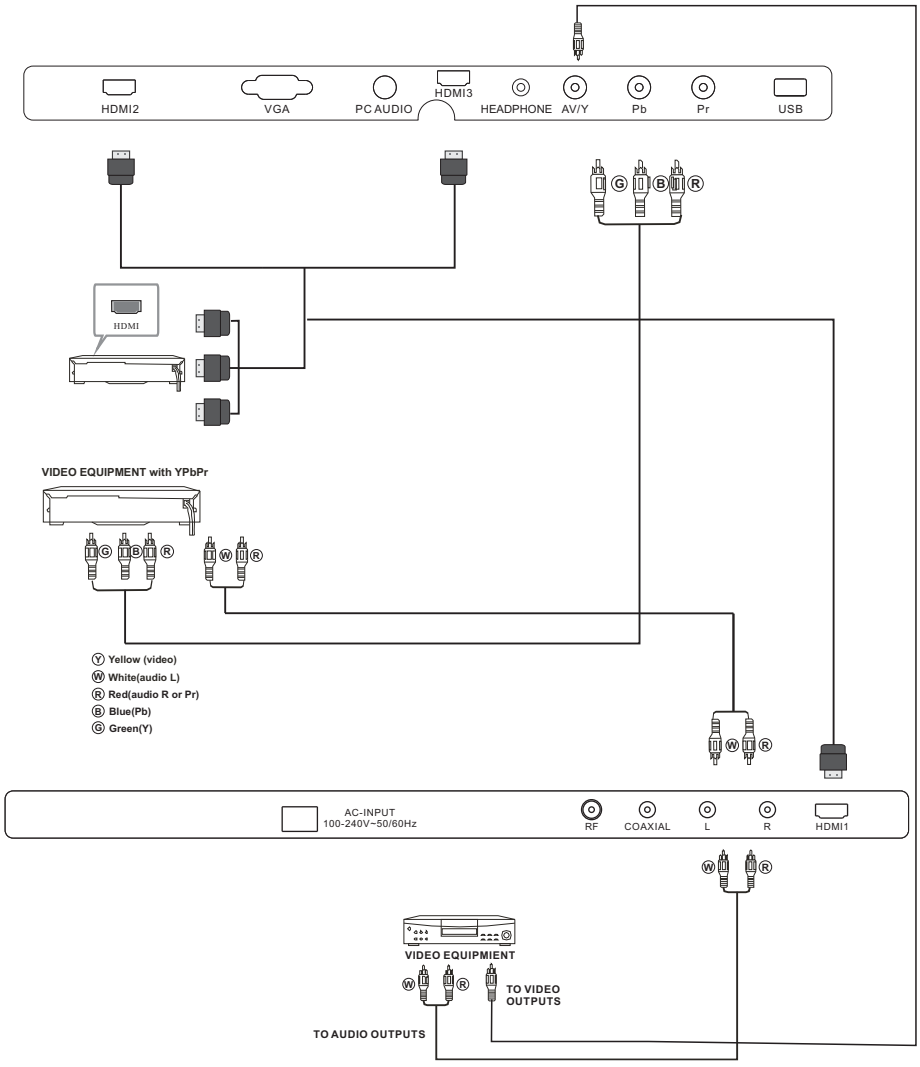
PC

PRESET MODE

	RESOLUTION	V.Freq.(Hz)	H.Freq.(KHz)
1	640*480	60	31.47
2	800*600	60	37.88
3	1024*768	60	48.36
4	1280*1024	60	63.98
5	1366*768	60	47.71

AV EQUIPMENT

You can use the input terminals on TV set rear as follows.

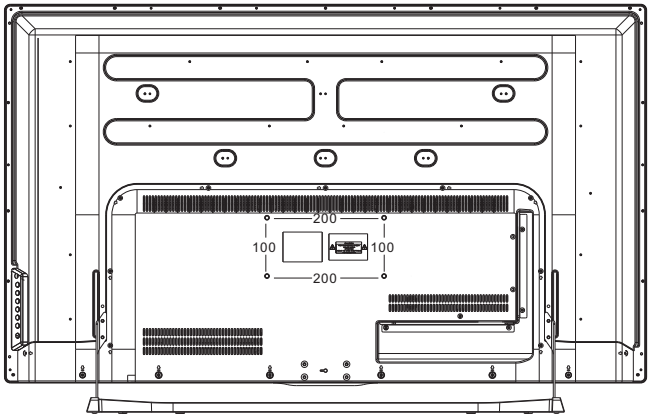


Video Equipments: VCR, Multi Disc Player, DVD Player, Camcorder, Video Game, etc.
Video format that YPbPr supports: 480i, 576i, 480p, 720p, 1080i

Instruction for Wall Mount

A wall mount kit (purchased separately) would allow you to mount your Quasar TV on the wall. For detailed information on installing the wall mount, refer to the instructions provided by the wall mount manufacturer. It is strongly recommended to contact a technician for professional assistance for wall mount installation. Quasar is not responsible for any damage to the product or injury to yourself or others resulting from the wall-mounting.

Dimensions for Mounting Hole Pattern



- This Quasar TV is compatible with a 200mm x 100mm mounting hole pattern.

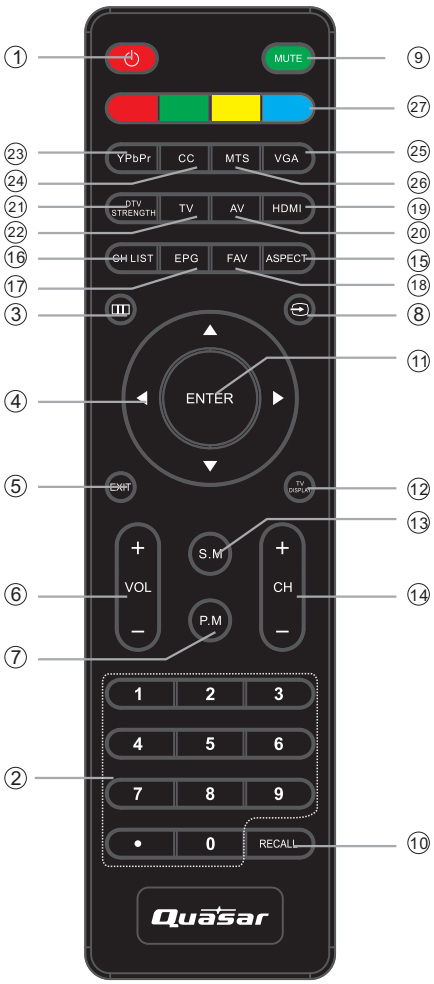
- 4 pcs of type M4 screws are required for installing the wall mount bracket to your Quasar TV. Do not use screws that are longer than 10 mm. Screws that are too long may cause damage to the inside of the TV set.

- Do not fasten the screws too tight for this may damage the TV or cause the TV to fall, resulting in personal injury. Quasar is not liable for these kinds of incidents.

- Do not mount your Quasar TV at more than a 15 degree tilt.

- Always use two people to mount the TV to a wall.

- Do not install your Wall Mount Kit while your TV is turned on. It may result in personal injury due to electric shock.



1: **POWER**
To set the TV standby or on.
2: **NUMBER KEY**
For direct access to program.
3:
Displays the main on-screen menu.
4: **CURSOR**
To move within the menu.
5: **EXIT**
Used to exit menu.
6: **VOL+/-**
To adjust sound level.
7: **P.M**
To switch picture mode.
8:
Press to display and select the available video sources.
9: **MUTE**
To disable or enable the sound.
10: **RECALL**
To access the previously viewed program.
11: **ENTER**
Confirms selection.
12: **TV DISPLAY**
Displays/removes the program Information
13: **S.M**
To switch sound mode.
14: **CH+/CH-**
To access the next or previous Program.
15: **ASPECT**
To change picture aspect .
16: **CH LIST**
Used to display the channel list.
17: **EPG**
Display all the information of DTV programs.
18: **FAV**
Used to access your favourite channels in digital TV mode.
19: **HDMI**
Hot key directly go to HDMI source.
20: **AV**
Hot key directly go to AV source.
21: **DTV STRENGTH**
Used to display the DTV signal strength menu.
22: **TV**
Hot key directly go to TV source.
23: **YPbPr**
Hot key directly go to YPbPr source.
24: **CC**
Enable or disable the CC function.
25: **VGA**
Hot key directly go to VGA source.
26: **MTS**
Switch the sound stereo.
27: **COLOR KEYS**
Reserved keys

Inserting Batteries

illustration:

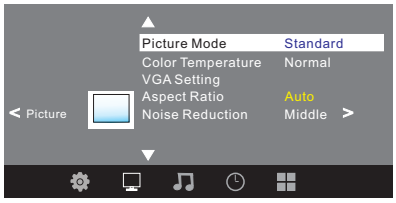
1 Open the battery compartment cover in the direction of the arrow.

2 Install two "AAA" batteries, paying attention to the polarity diagram in the battery compartment.

3 Replace the compartment cover.

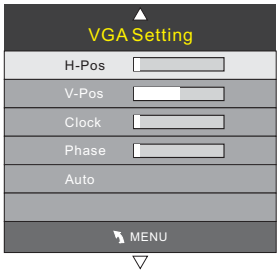
1. PICTURE MENU

In this menu,you can adjust the picture effect here, such as contrast, brightness, etc.
Press ▼▲ to select, press OK to adjust.



1.1 VGA Setting

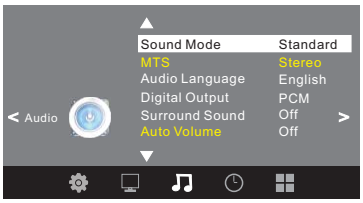
When PC Mode is available.
Press OK button to select PC advanced setting
1).H-Pos: Adjust the horizontal position of the screen.
2).V-Pos: Adjust the vertical position of the screen.
3).Clock: Fine tune the screen width.
4).Phase: Fine tune the phase of the screen. Usually don't adjust this item.
5).Auto: Auto adjust to fit the screen.



Note:
1).If you want to adjust contrast, brightness, color, and sharpness, the picture mode must return to personal status.
2).Tint is avaliable in NTSC system only.
3).There are three color temperature modes can be selected:Normal,Warm and Cool.

2.AUDIO menu

In this menu, you can select the sound effect.
Press ▼▲ to select, press OK to select.



Note:
1). Five selectable sound modes: Standard, Music, Movie, Sports, and Persoal
2).Audio language is available in ATSC/TV Programming only.
3).Auto Volume is effective when input signal level is too high or distortion of input signal is too high.

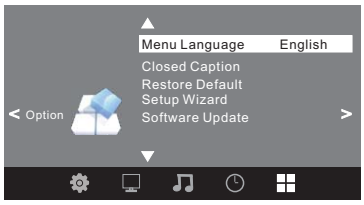
3. TIMER MENU

In this menu, you can adjust the sleep timer, time zone, etc. Press ▼▲ to select,press OK to adjust.

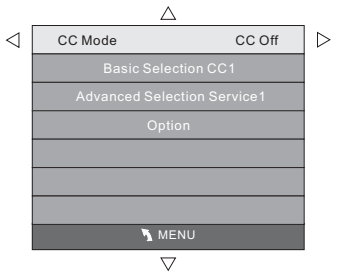
Note:
1). Time zone, DST and the clock are available in ATSC programming only.

4.OPTION menu

In this menu, you can select the Menu language, Close Caption, Restore Default etc.
Press ▼▲ to select, press OK to adjust.



4.1 Closed Caption

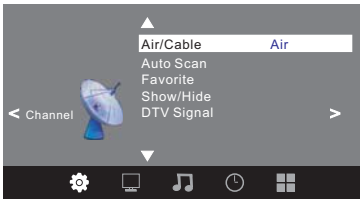


1).CC Mode: Switching close caption mode.
2). Advanced selection: Availabe only for ATSC program.
3).Option: Used to edit CC font.

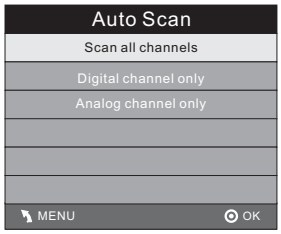
Note:
1).Restore Default: Restore Default will clear all the programs and reset all the settings to default value.

5. Channel MENU
In this menu, you can select digital and analog TV Channels.
Press▼▲to select,press OK to adjust.

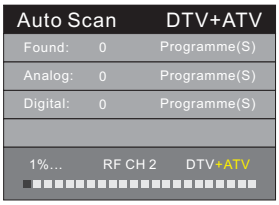
* Only under TV source, menu will show ⚙ , other menu will not show ⚙ .



5.1 Air/Cable:
Select Air TV signal and cable TV signal.
5.2 Auto Scan: If this is the first time you turn on the TV, you should scan all the TV channels first, Press OK button to confirm, and the following menu will be displayed.



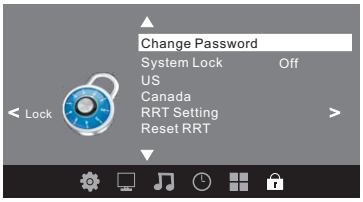
Press OK button to select a scan type,you will see the message below which indicates auto search is in process.



5.3 Favorite:
Press OK button to choose/delete the favorite channel.
5.4 Show/Hide
Press OK button to display or hide current channel.
5.5 DTV signal
Display DTV strength signal. No selection or adjustment is allowed.

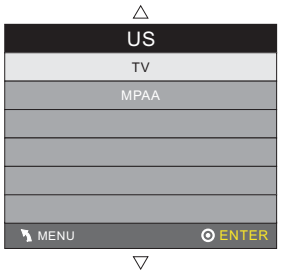
6.LOCK MENU

In this menu, you can change the password and adjust the V-chip setting.
Enter the password, it will go into the lock menu.
Factory default password is 0000.

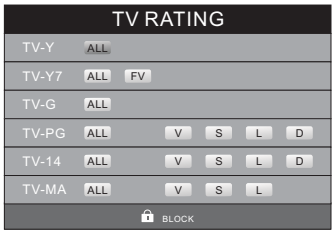


6.1 Change Password
1) Enter old password: Input the old password.
2) Enter new password: Input the new password.
3) Confirm password: Input the new password again.

6.2 System Lock
When the System Lock switch is ON, the below options listed below can be adjusted.
6.3 US
Press ENTER button the screen will display as follow.



1) TV: Press ENTER button, the screen will display as follows:



Rating	Content	Content				
		FV (Fantasy violence)	V (Violence)	S (Sexual situation)	L (Adult language)	D (Sexually suggestive dialog)
Suggested age	TV-Y (All children)					
	TV-Y7(Direct to order children)	X				
	TV-G(General audience)					
	TV-PG(Parental Guidance suggested)		X	X	X	X
	TV-14(Parents strongly cautioned)		X	X	X	X
	TV-MA(Mature audience only)		X	X	X	

And use the ENTER key to switch lock/ unlock Parental Control feature.

2) MPAA: Switching the movie-rating control level; N/A, G, PG, PG-13, R, NC-17, X.

Rating		Description
Age	G	General audiences, All Ages admitted
	PG	Parental Guidance suggested. Some material may not be Suitable for children.
	PG-13	Parents strongly cautioned. Some material .may be Inappropriate for children under 13.
	R	Restrict. Under 17 requires accompanying parent or adult guardian(age varies in some jurisdictions)
	NC-17	No one 17 and under admitted.
	X	X is an order rating that is unified with NC-17 but may be encoded in the data of order movies.

6.4 Canada

Press ENTER button, the screen will be displayed as follow:

1) Canada English: Switching the English rating control level: EXEMPT, C, C8+, G, PG, 14+, 18+.

Rating		Description
Age	E	Exempt: Includes news, sports, documents and other information programming: talk shows, music videos, and variety programming.
	C	Children: Intended for younger children under the age of 8 years. Pays careful attention to themes that could threaten their sense of securityand well-being.
	C8+	Children over 8 years old: Contains no portrayal of violence as the preferred, acceptable, or only way to resolve conflict; nor encourage children to imitate dangerous acts which they may see on the screen .
	G	General: Considered acceptable for all age groups, Appropriate viewing for the entire family, contains very little violence, physical, verbal or emotional.
	PG	Parental Guidance: Intended for a general audience, but may not be suitable for younger children (under the age of 8) because it could contain controversial themes or issues.
	14+	Over 14 Years: Could contain themes where violence is one of the dominant elements of the storyline But it must be integral to the devel opment of plot or character. Language usage could be profane and nudity , present within the context of theme.
	18+	Adults: Intended for viewers 18 years and older and might contain depictions of violence, which while related to the development of plot, character or themes, are intended for adult viewing. Could contain graphic language and portrayals of secretary and nudity.

2) Canada French: Switching the French-rating control level: E, G, 8ANS+, 13 ANS+, 16ANS+, 18ANS+.

Rating		Description
Age	E	Exempt programming
	G	General :All ages and children, contains minimal direct violence, but may be integrated into the plot in a humorous or unrealistic manner .
	8ans+	General but inadvisable for young children :May be viewed by a wide public audience, but could contain scenes disturbing to children under 8 who cannot distinguish between imaginary and real situations. Recommended for viewing with paren.
	13ans+	Over 13 years: Could contain scenes of frequent violent scenes and in tense violence.
	16ans+	Over 16 years: Could contain frequent violent scenes and violence.
	18ans+	Over 18 years: Only for adult viewing. Could contain frequent violent scenes and extreme violence.

6.5 RRT setting

It can be adjusted when the TV is in ATSC digital mode and the TV stream have RRT information.

6.6 Reset RRT

It can be adjusted when the TV is in ATSC digital mode and the TV stream have RRT information.

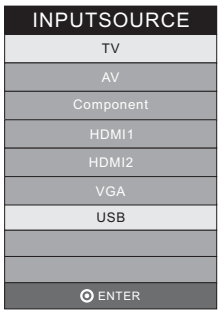
7. Displaying JPEG files by using USB Port

You can display the JPEG fiels by using the USB port that is located on the rear panel:

7.1 Connect the USB DEVICE that contains the JPEG files.

7.2 Press to enter inputsource menu.

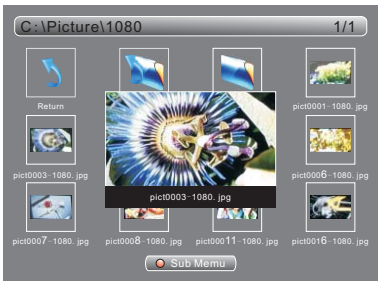
7.3 In the inputsource menu,Press▼▲◀▶ to select USB, and then press ENTER.

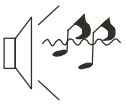
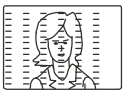
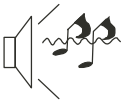
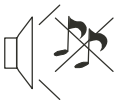
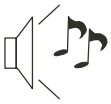
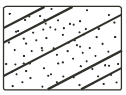
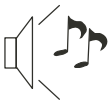
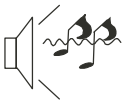


7.4 Press▼▲◀▶to select Photo, and then press enter

7.5 Press▼▲◀▶to select folder which contains JEPG picture .

7.6 Press ENTER to dispay the picture in the folder.



Trouble phenomenon Symptom		Inspection/Check
Picture	Audio	
Snow	 Noise	Antenna position, direction or connection
Ghost	Normal audio	Antenna position, direction or connection
 Interference	 Noise	Interference from other electronic equipments, car/motorcycle, or fluorescent light
Normal Picture	 Mute	Volume(check if mute is activated or if the audio system connections are not correct)
No picture	Mute	Power cord is not inserted Power switch is not opened Contrast and brightness/volume setup Press standby key on the remote control for inspecting
No colour	 Normal audio	Colour control
 Picture breaking up	 Normal audio or weak	Retune channel
No colour	 Noise	TVsystem

The LED TV panel is built with very high precision technology giving you fine picture details in vibrant color. Occasionally, a few non-active pixels may appear on the screen as a fixed point of red, green, blue, black or white. Please note this does not affect the performance of the product.

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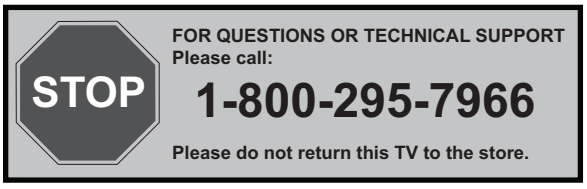

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